

PFE ORIGINAL



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Shawn

This is a
Data receipt
Chronology for
Demack that
should help. You
requested JMC

Chronology of Events with Dimock- Data packages received and reviewed

10/31/11- Meeting with Mike D'Andrea to discuss Dimock and the call from the citizens regarding cut off of water by Cabot following DEP's determination they had met the terms of the 12/10 Order by offering treatment for methane but many had refused.

11/1/11 Karen Johnson contacted PADEP- Scott Perry- Harrisburg, requesting the data they had from sampling wells in the Dimock area under the Cabot Order. Seth Pelepko of DEP sent files for 18 wells covering sampling data collected by DEP and Cabot up until that time. The files covered 18 wells included in the DEP Order serving 19 homes including pre- drilling data (primarily iron, chlorides, pH and a few additional parameters, but not a uniform set of data and not all homes had pre-drilling data) from the Spring/Fall of 2008 through about September 2011. Following initial sampling the majority of the data was gathered by Cabot and included metals, chloride, total coliform, and some volatile organic compounds, although again, not all wells were sampled for the same parameters. All homes were sampled for methane, propane, ethane and ethene. **Many homes had not been sampled by Cabot since December 2010;** Cabot had told DEP they refused sampling.

11/3/11 Karen Johnson received from Rich Neville (DEP- Meadville), a map of the area showing the locations of the homes covered under the DEP order and the names and addresses of the residents. The data was shared with ORD and ATSDR and posted on the Environmental Access Hub for access by HQ, ORD in Ada, OK, and others requested by HQ to review and discuss.

From 11/1- 11/10 WPD staff and ATSDR staff reviewed and compiled data summaries showing the background levels, as available, and the highest values of selected metals, and methane, etc., that were analyzed by DEP and Cabot. There was limited VOC data taken in the area, a few detections of ethylene Glycol, but most below detection levels of 10 mg/l.

11/10/11- **Trip to Dimock** with Dave Polish, Rob Helverson and Karen Johnson. Speaking with the residents along carter Road, that were home, **requesting they provide any available data they might have from anyone sampling their wells.** Saw some of the treatment systems. Some residents pleased with the operation, many not pleased, none of the residents drinking the treated water. All using bottled water.

11/11- 11/30 Tabulating existing DEP accumulated data. Received some sample data to ATSDR (date?) from Citizen's counsel but it was duplicative of the data already received from PADEP, except it had some additional Test America data from Methane and Ethane sampling conducted by the council (Tate Kunkle's firm). Determined that the levels of metals at the homes we not above Imminent and Substantial endangerment levels. Methane above the 28 mg/l level of concern for many houses, but DEP had the wells vented by Cabot and was attempting to get methane removal systems installed. **Contacted CERCLA (Dawn Ioven)for review to determine if the level of metals were above threshold. Nothing at that point**

12/6/11- Trish Taylor received letter from citizen's counsel sending Test America data dated September 2011 and October 2011 (Test America to URS – Cabot's contractor) for samples taken in August 2011 and September 2011, respectively. The data set included volatile organic and semi-volatile organic analysis for chemicals not previously analyzed by the DEP order. The packages covered about a dozen homes, but we didn't know the identities because there was no key to the sample locations. This was provided a few days later by their council to Rob Helverson of ATSDR. Only a few (about 4) of the wells/homes corresponded to known homes included in the DEP Cabot Order.

Week of 12/6-12/16 Review of the data and review of the Regional Screening Level values, identified that these tables had been updated in November 2011, but posted on December 6, 2011. The Regional Screening values for many of the metals had changed from those previously used to determine I & S because the non-cancer "endpoint" for tap water had dropped significantly to account for children's consumption of the tap water. Data was summarized pulling out the highest levels of VOC's and semi-volatile organic compounds in addition that now some of the metals exceeded the H3 values according to Dawn Ioven.

12/7/11- WPD Director Capacasa made a formal request to ATSDR to evaluate the Dimock data for a health consultation.

12/14/ 11 met with PADEP to discuss Cabot data and review the well construction information and gather information on the attempts to fix the wells causing the migration of methane from the Cabot wells.

12/16/11- DEP identified several Act 2 document received 12/12/11 covering some spills in the Dimock area- copying and sending to us for review. 12/23/11 EPA received 4 volumes of reports form PADEP for Act 2 clean ups in the vicinity of Dimock and Springville, PA. Covers Cabot wells in the vicinity of Carter Road and includes soil and surface water sampling conducted by Cabot's contractors from

1/13/11 started reviewing data received from Cabot's 104 response to the CERCLA information request for all water data. Additional homes in the Carter Road area were included in Test America data from February 2010 well samples in the Carter Road area. There are approximately 13 wells included, all but three are from the wells/homes in the DEP Order with cabot, and includes data for volatile organic, semi-volatile organics and radionuclide's analyses. The data is still being reviewed. Some new chemicals were identified and Dawn Ioven was asked to review the list of chemicals to determine if any are of concern.